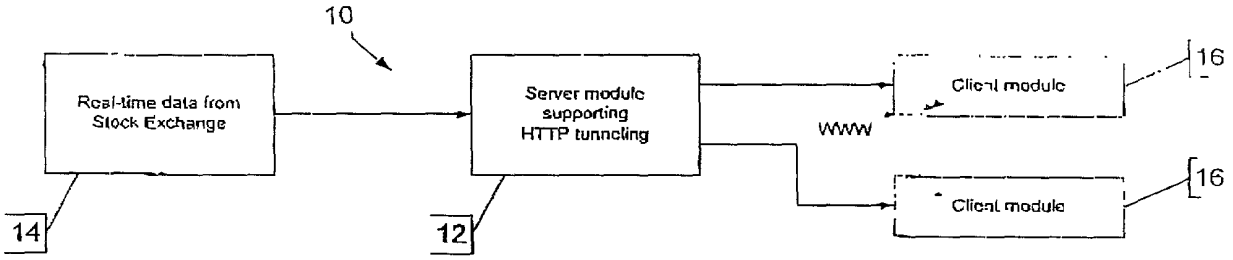

10
Real-time data from Stock Exchange
Server module supporting HTTP tunneling
Client module
16
WWW
Client module
16
14
12

FIG. 1.

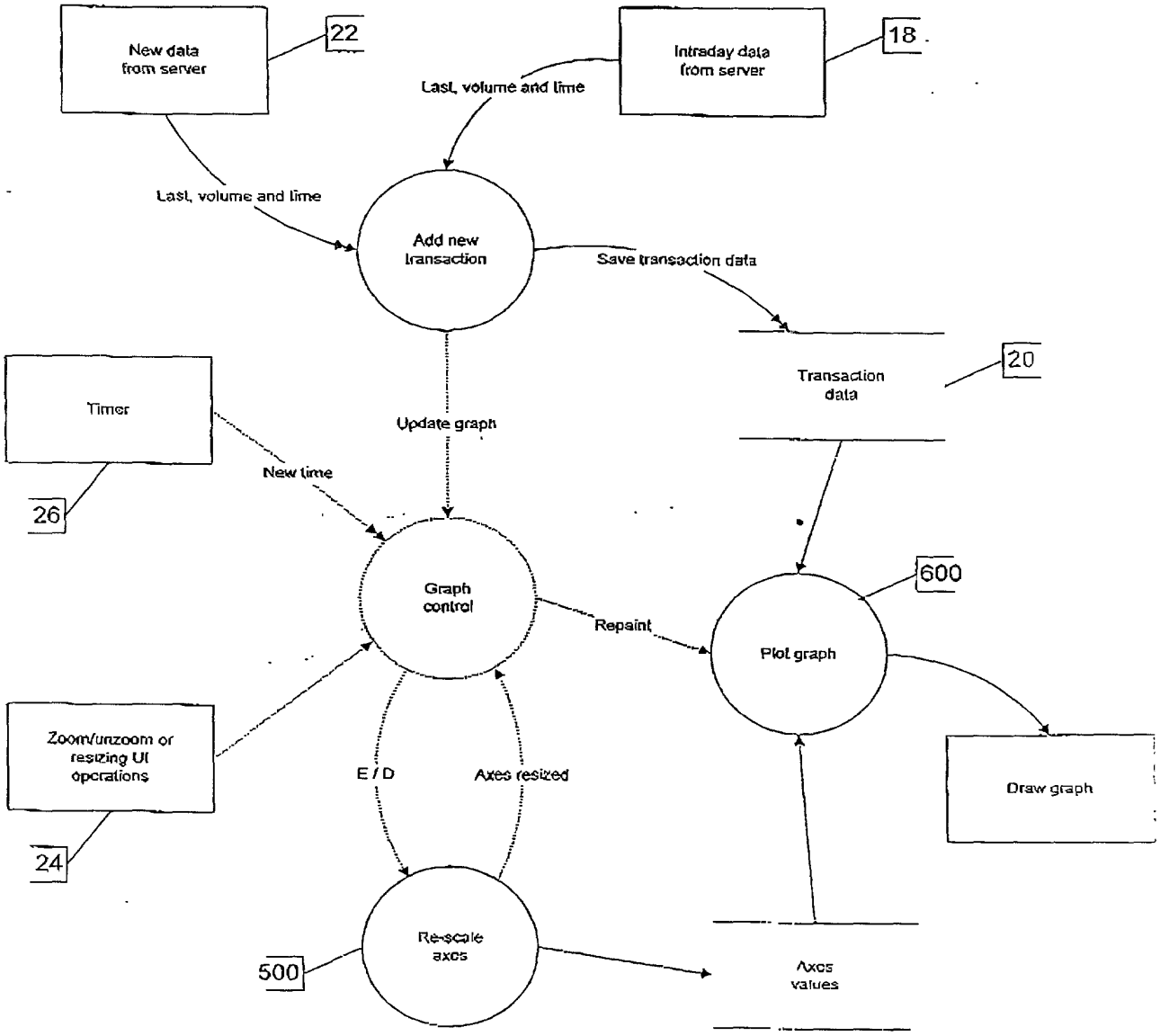
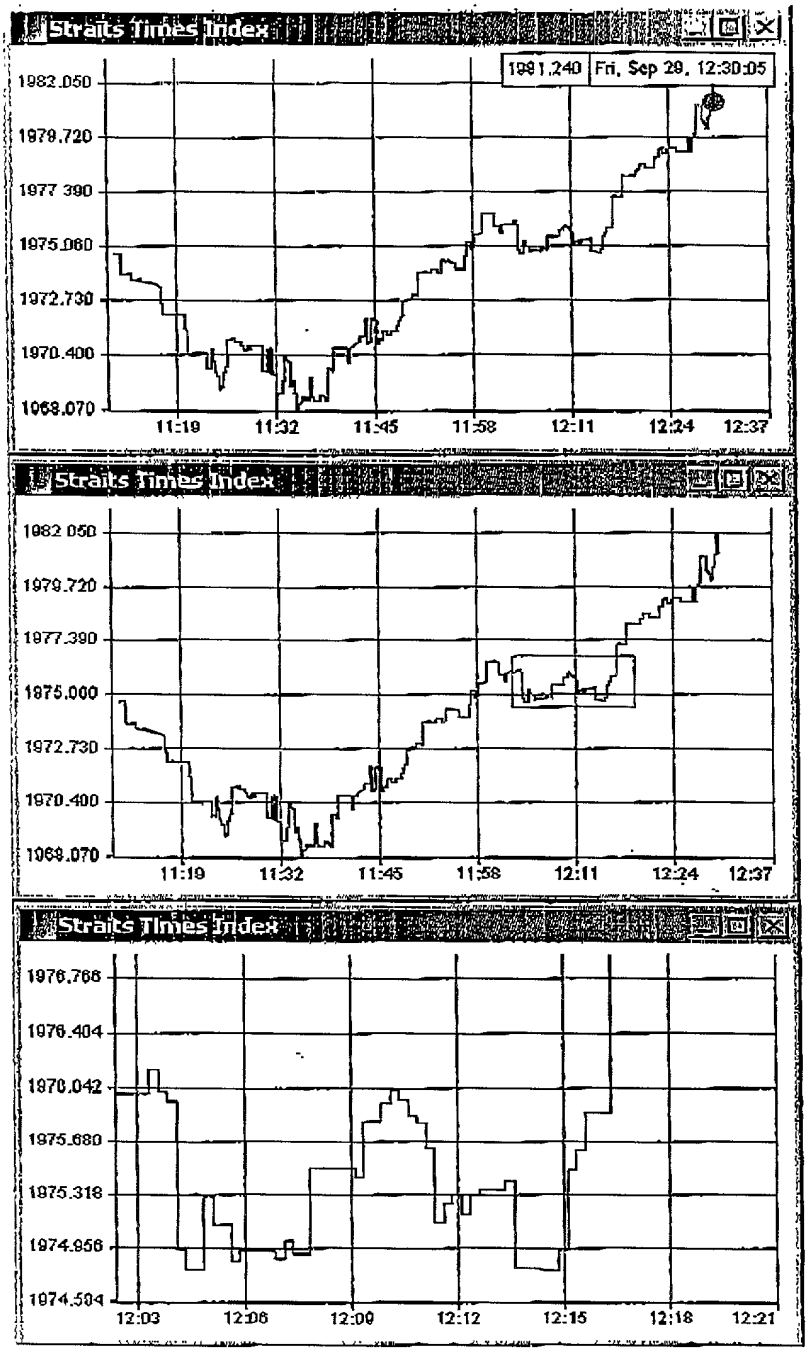

New data from server
22
Intraday data from server
18
Last, volume and time
Last, volume and time
Add new transaction
Save transaction data
Transaction data
20
Timer
Update graph
New time
26
Graph control
Repaint
Plot graph
600
Zoom/unzoom or resizing UI operations
E / D
Axes resized
Draw graph
24
Re-scale axes
500
Axes values

FIG. 2.



Normal chart view with transaction point highlighted (A)

Selecting a region to zoom. Dragging mouse over desired area. (B)

Selected zooming area enlarged to show greater detail. Clicking on the graph once will restore the display. (C)

FIG. 3.

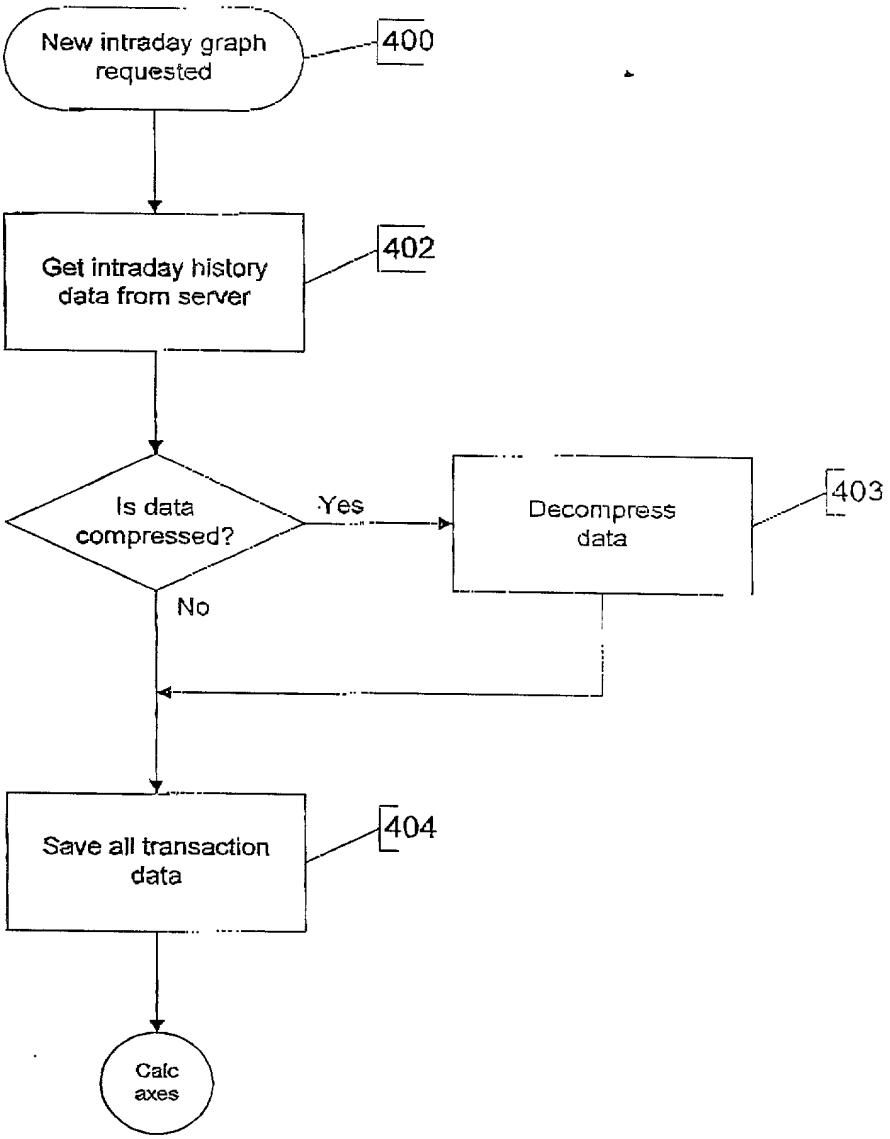

New intraday graph requested
400
Get intraday history data from server
402
Is data compressed?
Yes
Decompress data
403
No
Save all transaction data
404
Calc axes

FIG. 4.

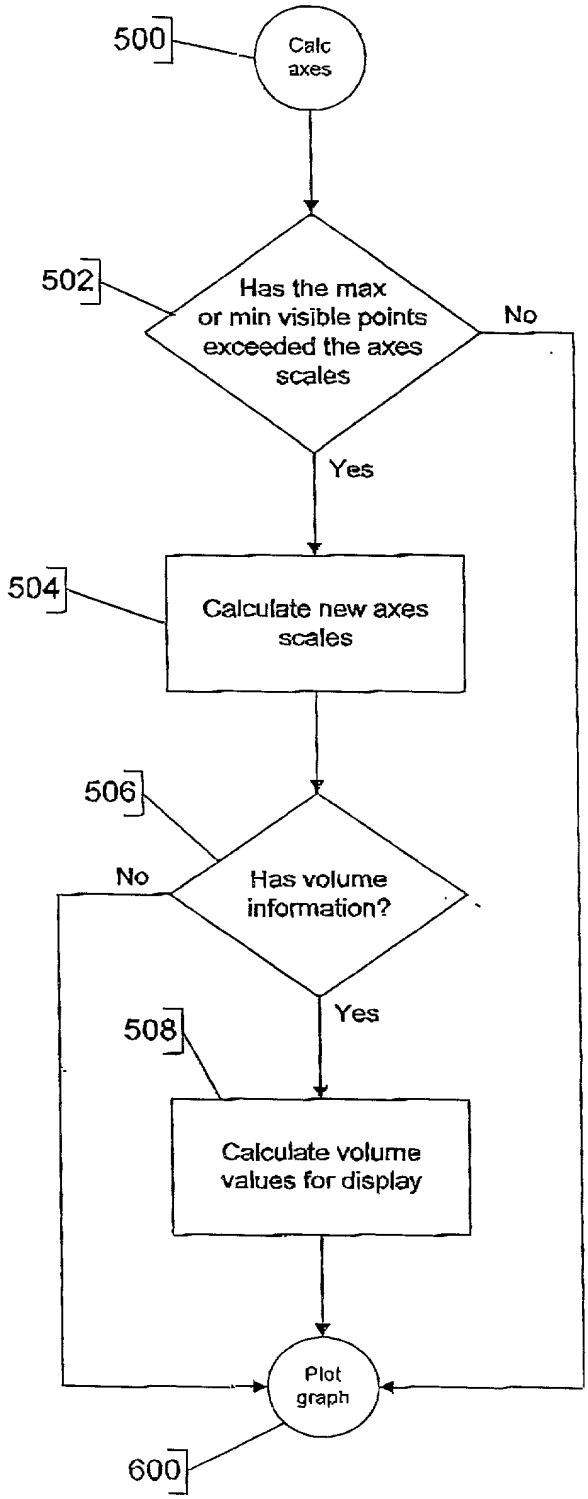


FIG. 5.

AMENDED SHEET

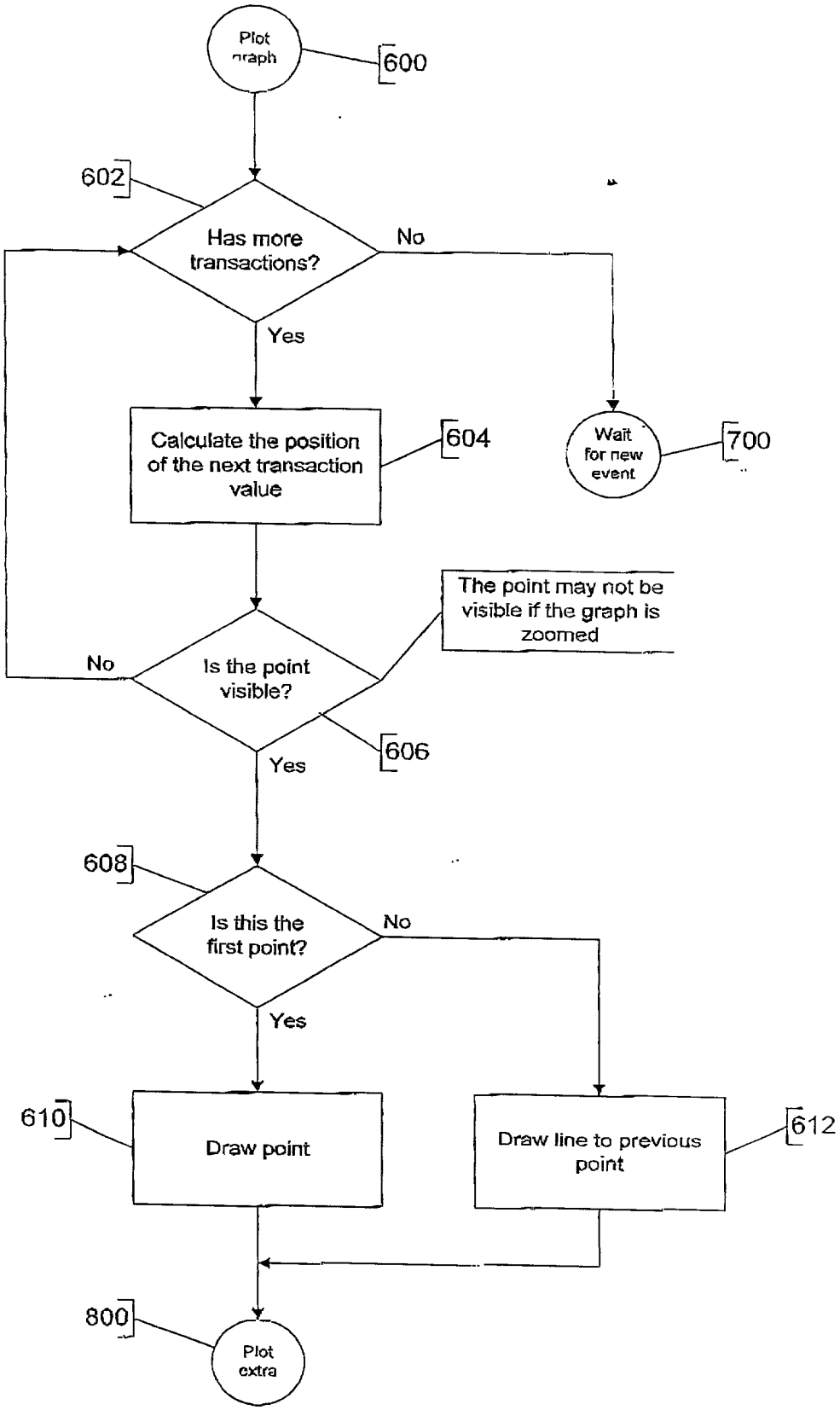


FIG. 6.

AMENDED SHEET

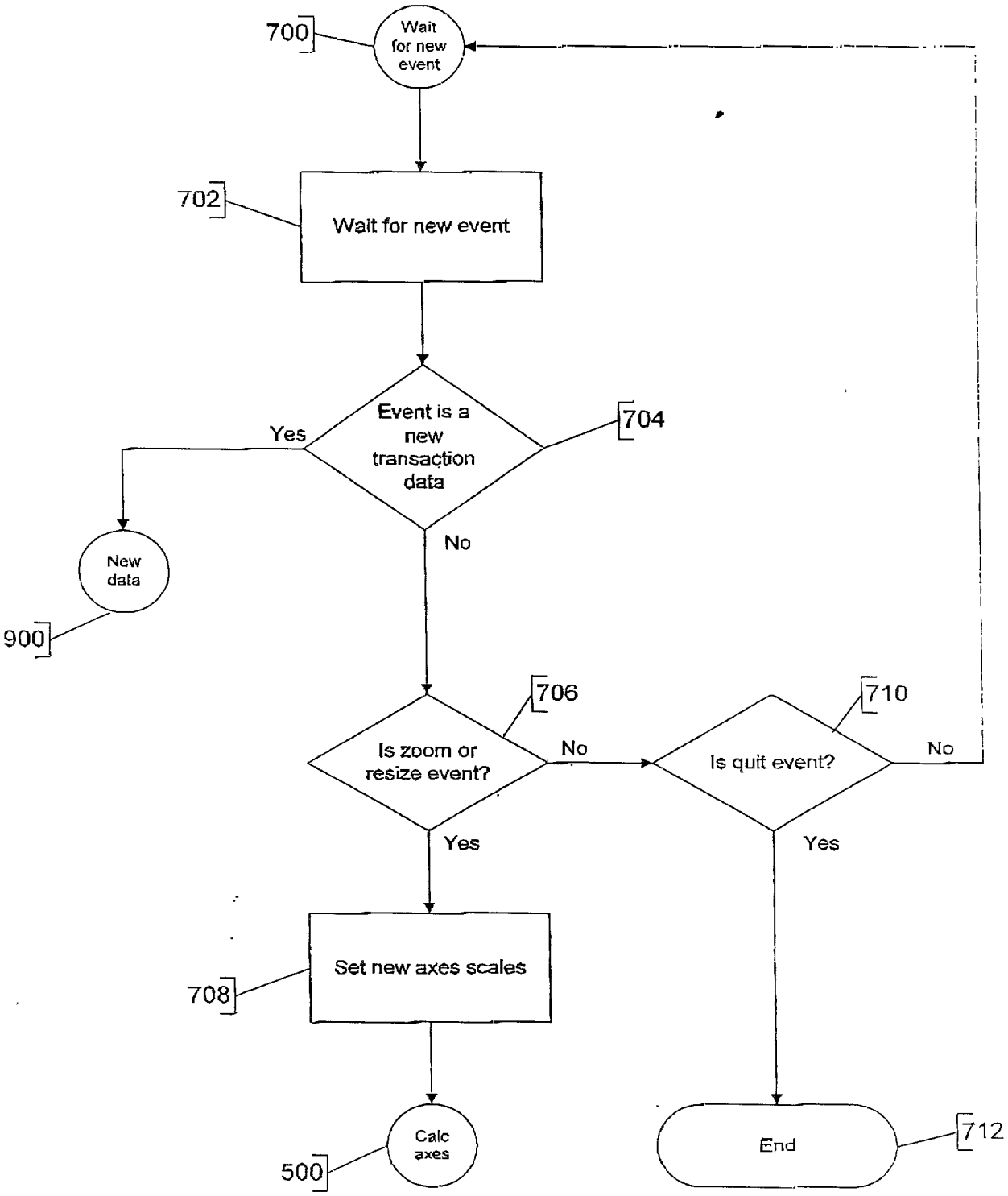

700
Wait for new event
702
Wait for new event
Event is a new transaction data
704
Yes
No
New data
900
706
Is zoom or resize event?
No
710
Is quit event?
No
Yes
Yes
Set new axes scales
708
Calc axes
500
End
712

FIG. 7.

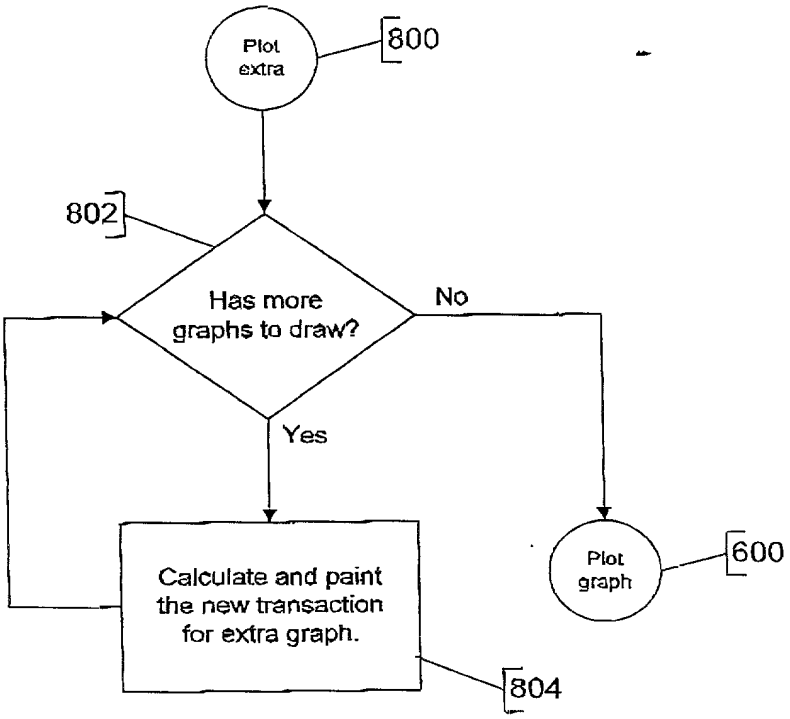

Plot extra
800
802
Has more graphs to draw?
No
Yes
Calculate and paint the new transaction for extra graph.
804
Plot graph
600

FIG. 8.

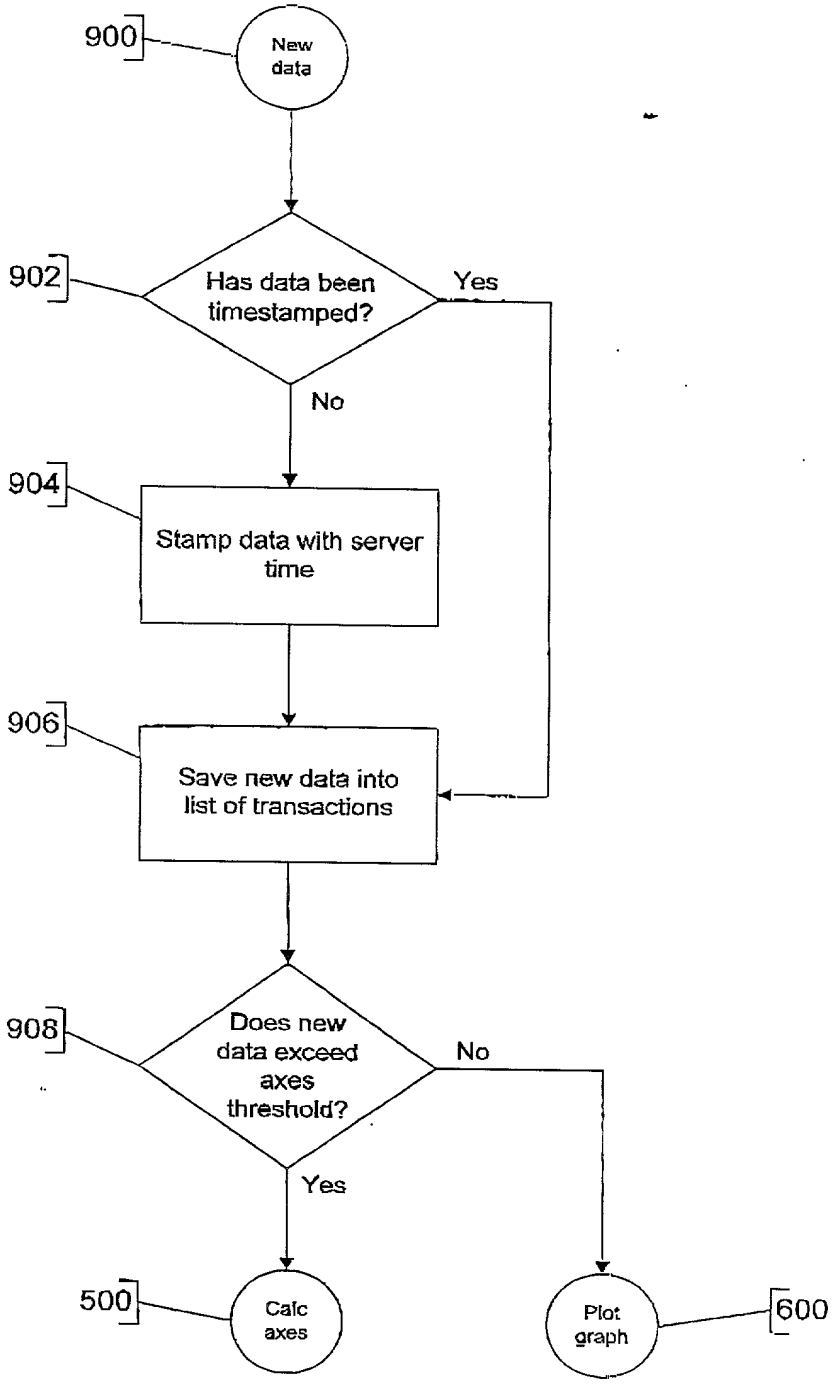

900
New data
902
Has data been timestamped?
Yes
No
904
Stamp data with server time
906
Save new data into list of transactions
908
Does new data exceed axes threshold?
No
Yes
500
Calc axes
Plot graph
600

FIG. 9.